1-10. (CANCELED)

11. (NEW) A machine tool transmission for a spindle transmission in which at least one of force and torque is transmitted from an output shaft (3) of the transmission (1) directly to a spindle (15), the spindle (15) being placed co-axially over the output shaft (3), a sealed rotary feed-through is integrated into the transmission (1) and serves as a transfer device for flow of a cooling fluid, between the transmission output shaft and the spindle (15), the sealed rotary feed-through is supported by the output shaft (3) of the transmission (1) and includes a gasket (16), on an engine side, and a gasket (17), on a spindle side, wherein the gasket (16) on the engine side is connected through a tube (18) and by construction elements of the transmission with the output shaft (3), and the gasket (17) on the spindle side is one directly located over the spindle (15) and in an additional connection part.

12. (NEW) The machine tool transmission designed according to claim 11, wherein the transmission includes a planetary gear and the gasket (16) on the engine side is connected by the tube (18), a sun gear (4) and a hub (19) to the output shaft (2)

13. (NEW) The machine tool transmission designed according to claim 11, wherein the sealed rotary feed-through is supported by a suspension (20) in a housing, and the suspension (20) including one of ball bearings, roller bearings, friction bearings and hydraulic bearings.

14. (NEW) The machine tool transmission designed according to claim 11, wherein the sealed rotary feed-through includes a check valve (21) which prevents the tube (18) from running dry and feeder lines from operating during a pressure-free condition.

15. (NEW) The machine tool transmission designed according to claim 11, wherein the sealed rotary feed-through has a spring (22) which maintains the gasket (16), on the engine side, and the gasket (17), on the spindle side, pressed together.

16. (NEW) The machine tool transmission designed according to claim 11, wherein the sealed rotary feed-through has a complementary mechanism which maintains the gasket (16), on the engine side, and the gasket (17), on the spindle side, separated when a flow of medium is not present.

17. (NEW) The machine tool transmission designed according to claim 16, wherein the additional mechanism is a spring.

18. (NEW) The machine tool transmission designed according to claim 11, wherein the sealed rotary feed-through includes at least one leakage return flow (23) to a tank.